

### 3.13 Inverse Trig. Functions (odd answers)

1.  $-\frac{\pi}{6}$

3.  $\frac{\pi}{4}$

5. 0

7.  $-90^\circ$

9.  $30^\circ$

11.  $45^\circ$

13.  $-\frac{\pi}{4}$

15.  $-\frac{\pi}{6}$

17.  $\frac{\pi}{3}$

19. 0.60

21. -0.65

23.  $-0.08 + \pi = 3.06$

25.  $x = \frac{\pi}{6}$

27.  $x = \frac{\pi}{4}$

29.  $x = \frac{\pi}{3}$

31.  $\sqrt{3}$

33.  $\frac{\pi}{4}$

35.  $\frac{\pi}{4}$

37.  $\sqrt{1-x^2}$

39.  $\frac{x}{\sqrt{1-x^2}}$

41.  $\alpha = 33.8^\circ$

43.  $\alpha = 50.3^\circ$

*period : 2*

45. *Asymptote :  $x = k$*

*Range :  $(-\infty, -1] \cup [5, \infty)$*